# **Textbook Alignment to the Utah Core – Algebra 2**

This alignment has been completed using an "Independent Alignment Vendor" from the USOE approved list
( <u>www.schools.utah.gov/curr/imc/indvendor.html</u> .) Yes No
Name of Company and Individual Conducting Alignment: McHugh and Associates
A "Credential Sheet" has been completed on the above company/evaluator and is (Please check one of the following):
□ On record with the USOE.
☐ The "Credential Sheet" is attached to this alignment.
Instructional Materials Evaluation Criteria (name and grade of the core document used to align): Algebra 2 Core Curriculum
Title: Algebra 2: Cancents and Strille @2009 ISDN#, SE, 079 0 619 55210 9 / TE, 079 0 619 55211 5
<b>Title:</b> Algebra 2: Concepts and Skills ©2008 <b>ISBN#: SE:</b> 978-0-618-55210-8 / <b>TE:</b> 978-0-618-55211-5
Publisher: McDougal Littell
1 ubusher: Webbugai Eitten
Overall percentage of coverage in the <i>Student Edition (SE) and Teacher Edition (TE)</i> of the Utah State Core Curriculum: <u>86 %</u>
Overall percentage of coverage in <i>ancillary materials</i> of the Utah Core Curriculum: N/A %

Percentage of coverage in the <i>student and teacher edition</i> for Standard I: 90 %		Percentage of coverage not in stud ancillary material for Standard I: N		out covered
Овје	CTIVES & INDICATORS	Coverage in Student Edition (SE) and Teacher Edition (TE) (pg #'s, etc.)	Coverage in Ancillary Material (titles, pg #'s, etc.)	Not covered in TE, SE or ancillaries
	ctive 1.1: Evaluate, analyze and solve mathematical			
situat	tions using algebraic properties and symbols.			
a.	Solve and graph first-degree absolute value equations of a	<b>SE:</b> 192-193, 195 (#25-38),		
	single variable.	197 (#57, 59a), 196 (#39-41),		
		210 (Quiz 2 #4-9), 213 (#19-22),		
		215 (#19-21), 216 (#7, 15-17),		
		247 (#105-113), 348 (#6),		
		781 (#20-25)		
		<b>TE:</b> 193 (Extra Example 1-2),		
		197 (Daily Homework Quiz #2-3),		
		213 (Extra Example 4.4)		
b.	Solve radical equations of a single variable, including those	<b>SE:</b> 365-370, 371 (Quiz 1 #16-21),		
	with extraneous roots.	372, 402 (#24-30), 405 (#9-12),		
		406 (#5), 407 (#18), 506 (#68-73),		
		784 (#24-32), 792 (#45-48)		
		<b>TE:</b> 366 (Extra Examples 1-4),		
		371 (Daily Homework Quiz #1-5),		
		372 (Extra Examples #1-2), 402		
		(Extra Example 7.3)		

c.	Solve absolute value and compound inequalities of a single	<b>SE:</b> 174, 177 (#49-56, 60),	
	variable.	191 (Quiz 1 #3-6), 197 (#64-67),	
		198-203, 210 (Quiz 2 #13-25),	
		212 (#7-10), 214 (#23-28), 215	
		(#6-9, 25-27), 216 (#2), 217 (#8-	
		9), 247 (#114-122), 349 (#31-35),	
		781 (#3-6, 26-31)	
		<b>TE:</b> 174 (Extra Examples 4-5),	
		177 (Daily Homework Quiz #2),	
		198 (Warm-Up Exercises #3),	
		199 (Extra Examples 1-2),	
		200 (Extra Examples 3-4),	
		203 (Daily Homework Quiz #2-3),	
		212 (Extra Example 4.1b),	
		214 (Extra Example 4.5)	

d.	Add, subtract, multiply and divide rational expressions and	SE: 480-485, 486-491, 492 (Quiz
	solve rational equations.	2 #1-13), 493 (#4-6), 494-499,
	1	500-505, 506 (Quiz 3 #1-15),
		508 (#17-22), 509 (#23-34),
		510 (#35-47), 511 (#11-23),
		512 (#4-6), 513 (#8-11, 17-21a),
		515 (#58-63), 786 (#10-44),
		792 (#57-60, 65-68)
		<b>TE:</b> 481 (Extra Examples 1-3),
		482 (Extra Examples 4-5),
		485 (Daily Homework Quiz #1-5),
		486 (Warm-Up Exercises #1-3),
		487 (Extra Examples 1-3),
		488 (Extra Examples 4-5),
		492 (Daily Homework Quiz #1-4),
		495 (Extra Examples #1-3),
		496 (Extra Examples #4-5),
		499 (Daily Homework Quiz #1-4),
		501 (Extra Examples 1-3),
		502 (Extra Examples 4-5),
		506 (Daily Homework Quiz #1-4),
		509 (Extra Example 9.5)
e.	Simplify algebraic expressions involving negative and	<b>SE:</b> 361, 362 (#15-19), 363 (#50-
	rational exponents.	74), 364 (#81-82), 371 (#4-15),
		402 (#13-23), 405 (#5-8), 406 (#3-
		4), 784 (#20-23), 792 (#41-44)
		<b>TE:</b> 361 (Extra Examples 5-6),
		364 (Daily Homework Quiz #4-5),
		402 (Extra Example 7.2)

	ctive 1.2: Solve systems of equations and inequalities.	SE. 125 121 122 127 120 142	
a.	Solve systems of linear, absolute value and quadratic	SE: 125-131, 132-137, 139-143,	
	equations algebraically and graphically.	144 (#55-57, Quiz 1 #1-10),	
		145-146, 153-158, 159 (#39, 45-	
		50, Quiz 2 #8-10), 160-161,	
		162 (#19-21), 163 (#1-11, 15-19),	
		164-165, 167 (#55-64, 71-73),	
		732, 780 (#1-18, 26-28), 791 (#10-	
		15)	
		TE: 126 (Extra Examples 1-2),	
		127 (Extra Example 3),	
		130 (Daily Homework Quiz #1-3),	
		131 (Extra Example), 132 (Warm-	
		Up Exercises #2), 133 (Extra	
		Examples 1-2), 134 (Extra	
		Example 3), 137 (Daily	
		Homework Quiz #1-3),	
		139 (Warm-Up Exercises #1-3),	
		140 (Extra Examples 1-3),	
		141 (Extra Example 4), 144 (Daily	
		Homework Quiz #1-4)	
b.	Graph the solutions of systems of linear, absolute value,	<b>SE:</b> 186-187, 188 (#6-8),	
	and quadratic inequalities on the coordinate plane.	189 (#29-49), 190 (#51-52, 54-55,	
		57-58), 191 (Quiz 1 #17-19),	
		213 (#15-18), 215 (#16-18),	
		216 (#6), 781 (#14-19)	
		TE: 186 (Extra Example 2),	
		187 (Extra Example 4),	
		191 (Daily Homework Quiz #2-3),	
		213 (Extra Example 4.3)	

c.	Solve application problems involving systems of equations	SE:127 (Example 3, Checkpoint	
	and inequalities.	#7), 129 (#35-39), 130 (#40),	
		134 (Example 3, Checkpoint #4),	
		136, 141, 143 (#33-37), 144 (Quiz	
		1 #10), 146 (#13-14), 158 (#31-	
		33), 159 (Quiz 2 #11), 163 (#7, 11,	
		19), 164 (#4), 165 (#8, 13),	
		166 (#19), 167 (#64), 187	
		TE: 127 (Extra Example 3),	
		130 (Daily Homework Quiz #3),	
		134 (Extra Example 3), 137 (Daily	
		Homework Quiz #3), 141 (Extra	
		Example 4), 144 (Daily	
		Homework Quiz #4), 145 (Warm-	
		Up Exercises #3), 153 (Warm-Up	
		Exercises #3), 187 (Extra Example	
		4)	

Obje numl	ctive 1.3: Represent and compute fluently with complex		
a.	Simplify numerical expressions, including those with rational exponents.	SE: 9 (Example 1, Checkpoint #1-4), 10 (Example 2, Checkpoint #5-7), 11 (Example 5, Checkpoint #10), 12 (5-8, 21-44), 14 (#74-75, 77), 15 (Quiz 1 #9-10), 22-23, 57 (#8-10), 58 (1.2 Examples #a, #11-16), 61 (#7-9), 62 (#3), 266 (#87-98, Quiz 2 #10-15), 778 (#7-14), 354 (Example 3, Checkpoint #7-10), 355 (Example 5, Checkpoint #17-19), 356 (#9-20, 36-51), 357 (#76-83)  TE: 9 (Warm-Up Exercises #1), 10 (Extra Examples 1-2), 15 (Daily Homework Quiz #3-4), 16 (Warm-Up Exercises #3), 22 (Extra Examples 1-2),	
b.	Simplify expressions involving complex numbers and express them in standard form $a + bi$ .	23 (Extra Example 3), 58 (Extra Example 1.2 #a), 354 (Extra Example 3), 355 (Extra Ex. 5)  SE: 262-263, 264 (#9-14, 27-50), 265 (#51-58, 74), 266 (#22-30), 273 (#91-96), 287 (#24-29), 289 (#22-27), 291 (#8-9), 782 (#35-38)  TE: 262 (Extra Examples 2-3), 263 (Extra Examples 4-5), 266 (Daily Homework Quiz #2-6),	

	ctive 1.4: Model and solve quadratic equations and lalities.	
a.	Model real-world situations using quadratic equations.	SE: 227 (#69), 230 (Example 4), 233 (#68-73), 243 (Example 5), 245 (#83-84), 246 (#85-91), 247 (Quiz 1 #22), 251 (Example 5), 253 (#67-73), 257 (Example 4, Checkpoint #7), 259 (#69-73), 270 (Example 5, Checkpoint #8), 272 (#69-72), 273 (#73-75), 277 (Example 5), 279 (#63-69), 280 (#70-74)
		TE: 230 (Extra Example 4), 243 (Extra Example 5), 247 (Daily Homework Quiz #5), 251 (Extra Example 5), 257 (Extra Example 4), 260 (Daily Homework Quiz #7), 270 (Extra Example 5), 277 (Extra Example 5), 281 (Daily Homework Quiz #5)
b.	Approximate the real solutions of quadratic equations graphically.	<b>SE:</b> 242 (Example 4), 248, 277 (Example 5)

c.	Solve quadratic equations of a single variable over the set of complex numbers by factoring, completing the square and using the quadratic formula.	SE: 236, 237 (#12-14, 34-45), 238 (#46-54), 239 (#61-62), 242 (Example 4, Checkpoint #7-9), 243 (Example 5), 244 (#12-17), 245 (#46-68), 246 (#94-95), 247 (Quiz 1 #13-21), 254 (#94-99), 268 (Example 1), 269 (Example 3, Checkpoint #3-6), 271 (#39-47), 272 (#48-57), 273 (#70,00), 274, 275, 277
		273 (#79-90), 274-275, 277, 278 (#25-48) <b>TE:</b> 236 (Extra Examples 3-4), 239 (Daily Homework Quiz #4-5), 247 (Daily Homework Quiz #3-4), 269 (Extra Example 3), 273 (Daily Homework Quiz #3), 275 (Extra Examples 1-3), 277 (Extra Example 5)
d.	Solve quadratic inequalities of a single variable.	SE: Not addressed in this text
e.	Write a quadratic equation when given the solutions of the equation.	SE: 282-284
		TE: 282 (Extra Example 1), 283 (Extra Examples 2-3)

Percentage of coverage in the <i>student and teacher edition</i> for Standard II: 100 %		Percentage of coverage not in student or teacher edition, but covered in the <i>ancillary material</i> for Standard II: N/A %		
Овје	CTIVES & INDICATORS	Coverage in Student Edition (SE) and Teacher Edition (TE) (pg #'s, etc.)	Coverage in Ancillary Material (titles, pg #'s, etc.)	Not covered in TE, SE or ancillaries
Objective 2.1: Represent mathematical situations using relations.			,	
a.	Model real-world relationships with functions.	SE: 75 (Example 4), 76 (#12-13), 77 (#38-46), 206 (Example 4, Checkpoint #10), 207 (#19-20), 208 (#46-50), 226 (#67-68), 227 (#69), 230 (Example 4), 232 (#65-73), 304 (Example 2), 306 (#49), 307 (#50-53), 337 (Example 3), 339 (#35-37), 345 (#33)		
		TE: 75 (Extra Example 4), 78 (Daily Homework Quiz #3), 206 (Extra Example 4), 210 (Daily Homework Quiz #3), 230 (Extra Example 4), 304 (Extra Example 3), 308 (Daily Homework Quiz #3), 337 (Extra Example 3), 340 (Daily Homework Quiz #2)		

b.	Describe a pattern using function notation.	SE: Opportunities to address this	
		standard can be found on the	
		following pages: 106-112	
		TE: Opportunities to address this	
		standard can be found on the	
		following pages: 108 (Extra	
		Example 1), 109 (Extra Example	
		2), 113 (Daily Homework Quiz	
		#1-3)	
c.	Determine when a relation is a function.	<b>SE:</b> 67-68, 70 (#3-5, 14-20),	
		71 (#21-23, 27-29), 78 (#62-64),	
		85 (Quiz 1 #1-2), 115 (#5-6),	
		119 (#1-3), 120 (#1-3), 779 (#1-3)	
		TE: 68 (Extra Examples 1-2),	
		72 (Daily Homework Quiz 1)	
d.	Determine the domain and range of relations		
a.	Determine the domain and range of relations.	<b>SE:</b> 67, 70 (#2-4, 14-20), 78 (#62-	
		64), 85 (Quiz 1 #1-2), 115 (#5-6),	
		119 (#1-3), 779 (#1-3)	
		TE: 68 (Extra Example 1),	
		72 (Daily Homework Quiz #1)	

Obje	ective 2.2: Evaluate and analyze functions.		
a.	Find the value of a function at a given point.	SE: 74 (Example 2, Checkpoint #5-7), 76 (#6-8, 13, 20-27), 77 (#39, 42, 46), 78 (#51), 85 (#7-10), 113 (#35-38), 116 (#7-10), 119 (#4-6), 120 (#4), 204 (Example 1), 205 (Checkpoint #1-3), 207 (#3-5, 10-18), 214 (#29-31), 215 (#28-30), 217 (#10), 375 (Example 4, Checkpoint #4-7), 377 (#32-39), 403 (#37), 779 (#4-9), 781 (#32-37)  TE: 74 (Extra Example 2), 78 (Daily Homework Quiz #3c), 205 (Extra Example 1), 375 (Extra Example 4), 378 (Daily	
b.	Compose functions when possible.	Homework Quiz #7-8)  SE: 375 (Example 3, Checkpoint #4-8), 376 (#9-13, 26-31), 377 (#32-39, 45-50), 378 (#53, 55, 58), 386 (Quiz 2 #3-4, 7-8), 403 (#37), 405 (#17-18), 406 (#7), 784 (#37-38)  TE: 375 (Extra Examples 3-5), 378 (Daily Homework Quiz #7-8), 403 (Extra Example 7.4b), 380 (Warm-up Exercises #2)	

c.	Add, subtract, multiply and divide functions.	SE: 373 (Example 1), 374 (Example 2, Checkpoint #1- 3), 376 (#3-8, 14-25), 377 (#40- 44), 378 (#57), 386 (Quiz 2 #1-2, 5-6), 403 (#31-36), 405 (#13-16), 406 (#6), 784 (#33-36), 454 (#74- 79)  TE: 374 (Extra Examples 1-2),
		378 (Daily Homework Quiz #1-5),
d.	Determine whether or not a function has an inverse and find the inverse when it exists.	403 (Extra Example 7.4a) <b>SE:</b> 380-385, 386 (#9-16), 400 (#44-49), 403 (#38-46), 405 (#19-22), 406 (#8), 784 (#39- 46)
		TE: 381 (Extra Examples 1-2), 382 (Extra Examples 3-4), 386 (Daily Homework Quiz #1-3), 403 (Extra Example 7.5)
e.	Identify the domain and range of a function resulting from the combination or composition of functions.	SE: 373 (Example 1), 374 (Example 2, Checkpoint #1- 3), 375 (Example 3c), 376 (#1, 3- 8, 14-31), 377 (#40-47), 386 (Quiz 2 #1-8), 403 (#31-36), 405 (#13- 18), 784 (#33-38)
		TE: 374 (Extra Example 1-2), 375 (Extra Example 3c), 378 (Daily Homework Quiz #4, 6), 403 (Extra Example 7.4)

them	tive 2.3: Define and graph exponential functions and use to model problems in mathematical and real-world		
contex			
a.	Define exponential functions as functions of the form	<b>SE:</b> 412, 415 (#1, 3), 419,	
	$y = ab^x, b > 0, b \neq 1.$	422 (#1), 430 (#1)	
b.	Model problems of growth and decay using exponential	<b>SE:</b> 414 (Example 4), 415 (#16),	
	functions.	416 (#40-41), 421 (Example 5,	
		Checkpoint #11), 423 (#22-23, 39-	
		41), 424 (#42-48), 425 (#52, Quiz	
		1 #13), 426 (Example 1,	
		Checkpoint #1), 427 (Example 2,	
		Checkpoint #2), 428-429,	
		430 (#13, 23-28), 431, 432 (#48-	
		54), 439 (Quiz 2 #4-6), 459 (#27-	
		28)	
		,	
		<b>TE:</b> 414 (Extra Example 4),	
		419 (Warm-Up Exercises #4),	
		421 (Extra Example 5), 425 (Daily	
		Homework Quiz #3), 426 (Warm-	
		Up Exercises #5), 427 (Extra	
		Examples 1-2), 428 (Extra	
		Example 4), 429 (Extra Example	
		5), 432 (Daily Homework Quiz	
		#4-5), 433 (Warm-Up Exercises	
		#2)	

c.	Graph exponential functions.	<b>SE:</b> 411-414, 415 (#12-16, 25-39),	
	1 1	416 (#40-41, 44), 417 (#45-48,	
		50), 419-421, 422 (#8, 11-13),	
		423 (#24-38, 40), 424 (#42, 45, 47,	
		50-51), 425 (Quiz 1 #7-13),	
		432 (#63-68), 455 (#5-8), 456 (#9-	
		12), 459 (#1-4, 10, 27b, 28),	
		460 (#2), 785 (#1-9, 10b),	
		515 (#43-45)	
		TE: 413 (Extra Examples 1-2),	
		414 (Extra Examples 3-4), 417	
		(Daily Homework Quiz #1-2),	
		420 (Extra Examples 1-2),	
		421 (Extra Examples 3-5),	
		425 (Daily Homework Quiz #1-2),	
		455 (Extra Example 8.1),	
		456 (Extra Example 8.2)	
		430 (LAHa EAMIPIC 6.2)	

•	ctive 2.4: Define and graph logarithmic functions and use to solve problems in mathematics and real-world		
conte	-		
a.	Relate logarithmic and exponential functions.	<b>SE:</b> 433 (Example 1, Checkpoint #1-4), 434 (Example 3, Checkpoint #5-10), 436 (#3-10, 19-26, 29-44), 437 (#61-68), 438 (#99, 101), 439 (#11-14), 460 (#6-7), 785 (#19-22)	
		<b>TE:</b> 434 (Extra Examples 1, 3), 439 (Daily Homework Quiz #1, 3), 448 (Warm-Up Exercises #1-2)	
<b>b.</b>	Simplify logarithmic expressions.	SE: 434 (Example 3b, Checkpoint #8-10), 436 (#19-26, 28), 437 (#61-68), 438 (#101), 439 (#11-14), 443 (Example 3, Checkpoint #9-12), 444 (Example 4, Checkpoint #13), 445 (#15-20), 446 (#46-57), 447 (#72), 454 (Quiz 3 #4-7), 457 (#29-32), 459 (#21-23), 460 (#6-7), 461 (#9), 785 (#31-33)	
		TE: 434 (Extra Example b), 443 (Extra Example 3), 444 (Extra Example 4), 457 (Extra Example 8.5b)	
c.	Convert logarithms between bases.	SE: 440	 

d.	Solve exponential and logarithmic equations.	SE: 448-453, 454 (Quiz 3 #9-16), 458, 459 (#24-26), 461 (#12, 16- 18), 515 (#52-54), 785 (#34-41) TE: 449 (Extra Examples 1-3),
		450 (Extra Examples 4-5), 451 (Extra Example 6), 454 (Daily Homework Quiz #1-6)
e.	Graph logarithmic functions.	<b>SE:</b> 435, 437 (#69-81), 438 (#98, 102), 440, 457 (#21-24), 459 (#14-16), 785 (#23-26)
		TE: 435 (Extra Example 4), 439 (Daily Homework Quiz #4), 457 (Extra Example 8.4b)
f.	Solve problems involving growth and decay.	SE: 414 (Example 4), 415 (#16), 416 (#40-41), 421 (Example 5, Checkpoint #11), 423 (#22-23, 39-41), 424 (#42-48), 425 (#52, Quiz 1 #13), 426 (Example 1, Checkpoint #1), 427 (Example 2, Checkpoint #2), 428-429, 430 (#13, 23-28), 431, 432 (#48-54), 439 (Quiz 2 #4-6), 459 (#27-28)
		TE: 414 (Extra Example 4), 419 (Warm-Up Exercises #4), 421 (Extra Example 5), 425 (Daily Homework Quiz #3), 426 (Warm-Up Exercises #5), 427 (Extra Examples 1-2), 428 (Extra xample 4), 429 (Extra Example 5), 432 (Daily Homework Quiz #4-5), 433 (Warm-Up Exercises #2)

	entage of coverage in the <i>student and teacher edition</i> for dard III: <u>55 %</u>	Percentage of coverage not in student or teacher edition, but covered in the <i>ancillary material</i> for Standard III: N/A %		
Objective 3.1: Examine the behavior of functions using coordinate geometry.		Coverage in Student Edition (SE) and Teacher Edition (TE) (pg #'s, etc.)	Coverage in Ancillary Material (titles, pg #'s, etc.)	Not covered in TE, SE or ancillaries
a.	Identify the domain and range of the absolute value, quadratic, radical, sine and cosine functions.	SE: 389-390, 391 (Example 4, Checkpoint #4-6), 392 (#4-12, 15- 23), 393 (#27-38), 394 (#51), 400 (Quiz 3 #1-3), 404 (#47-55), 405 (#24-25), 407 (#10), 784 (#47- 50), 660		
		<b>TE:</b> 390 (Extra Examples 1-3), 391 (Extra Example 4), 394 (Daily Homework Quiz #1-2), 404 (Extra Example 7.6)		

		SP 205 (F 1 2 2)
b.	Graph the absolute value, quadratic, radical, sine and	SE: 205 (Examples 2-3),
	cosine functions.	206 (Checkpoint #4-9), 207 (#6-8,
		27-29), 208 (#36-44), 221,
		223 (Example 2, Checkpoint #4-
		6), 225 (#3-8), 226 (#30-44),
		388-393, 400 (#1-3), 404 (#47-55),
		405 (#24-25), 515 (#37-39),
		660-665, 666 (Quiz 1 #8-10),
		781 (#38-40), 782 (#1-4),
		784 (#47-50), 789 (#14-17)
		<b>TE:</b> 205 (Extra Examples 2-3),
		223 (Extra Examples 1-2),
		390 (Extra Examples 1-3),
		391 (Extra Example 4), 661 (Extra
		Examples 1-2), 666 (Daily
		Homework Quiz #1, 3)
c.	Graph functions using transformations of parent functions.	SE: 209 (#54-56), 211, 221, 388,
<b>C.</b>	Graph functions using transformations of parent functions.	394 (#50)
d.	Write an equation of a parabola in the form	SE: Opportunities to address this
u.	$y = a(x - h)^2 + k$ when given a graph or an equation.	standard can be found on the
	y = u(x - n) + k when given a graph of an equation.	
		following pages: 228 (Example
		1), 229 (Checkpoint #1-3),
		231 (#2, 4-6, 22-27), 232 (#35-43),
		233 (#74, 76), 247 (Quiz 1 #1-6),
		286 (#7), 289 (#2), 782 (#9-11)
		TE: Opportunities to address this
		standard can be found on the
		following pages: 229 (Extra
		Example 1), 233 (Daily
		Homework Quiz #1, 2a)

Object angles	etive 3.2: Determine radian and degree measures for s.		
a.	Convert angle measurements between radians and degrees.	<b>SE:</b> Not addressed in this text	
<b>b.</b>	Find angle measures in degrees and radians using inverse trigonometric functions, including exact values for special triangles.	SE: Not addressed in this text	

	ctive 3.3: Determine trigonometric measurements using		
a.	Define the sine, cosine and tangent functions using the unit circle.	<b>SE:</b> Opportunities to address this standard can be found on the following pages: 651, 653-655, 656 (Guided Practice #15), 657 (#37-51), 658 (#72-73), 666 (Quiz 1 #4-7), 683 (#15-18), 685 (#9-12), 686 (#1), 789 (#10-13), 793 (#86-89)	
		<b>TE:</b> Opportunities to address this standard can be found on the following pages: 651 (Key Discovery), 654 (Extra Examples 3-4), 658 (#Daily Homework Quiz 1-3), 660 (Warm-Up Exercises #1-2), 683 (Extra Example 12.2b)	

b.	Determine the exact values of the sine, cosine and tangent	SE: Opportunities to address this
	functions for the special angles of the unit circle using	standard can be found on the
	reference angles.	following pages: 653-655,
		656 (Guided Practice #7-15,
		Practice and Applications #28-36),
		657 (#37-60), 658 (#71-73),
		666 (Quiz 1 #4-7), 683 (#15-18),
		685 (#9-12), 686 (#1, 5), 789 (#10-
		13), 793 (#86-89)
		<b>TE:</b> Opportunities to address this
		standard can be found on the
		following pages: 653 (Extra
		Example 2, Key Questions to Ask
		for Example 2), 654 (Extra
		Examples 3-4), 655 (Extra
		Example 5), 658 (#Daily
		Homework Quiz 1-5), 660 (Warm-
		Up Exercises #1-5), 683 (Extra
		Example 12.2b)
c.	Find the length of an arc using radian measure.	SE: Not addressed in this text.
d.	Find the area of a sector in a circle using radian measure.	SE: Not addressed in this text.

	entage of coverage in the <i>student and teacher edition</i> for dard IV: 100 %	Percentage of coverage not in studing the ancillary material for Standard		out covered
Овје	CTIVES & INDICATORS	Coverage in Student Edition (SE) and Teacher Edition (TE) (pg #'s, etc.)	Coverage in Ancillary Material (titles, pg #'s, etc.)	Not covered in TE, SE or ancillaries
Obje	ctive 4.1: Apply basic concepts of probability.		,	
a.	Distinguish between permutations and combinations and identify situations in which each is appropriate.	SE: 546, 548 (#1, 8-10), 549 (#24- 27), 551 (Quiz 2 #11-13), 552 (#13-15), 579 (#9-12), 580 (#6), 581 (#7), 787 (#6-9)		
b.	Calculate probabilities using permutations and combinations to count events.	<b>TE:</b> 546 (Extra Example 2) <b>SE:</b> 557 (Example 2, Checkpoint #5), 560 (#28-29, 31-33), 561 (#50), 564 (Example 5, Checkpoint #4-5), 567 (#42-43) <b>TE:</b> 557 (Extra Example 2)		
c.	Compute conditional and unconditional probabilities in various ways, including by definitions, the general multiplication rule and probability trees.	<b>SE:</b> 569-573, 574 (Quiz 3 #8-10), 578 (#30-32), 579 (#17-21), 581 (#9), 787 (#16-18), 793 (#74-76)		
		<b>TE:</b> 570 (Extra Examples 1-2), 571 (Extra Examples 3-4), 578 (Extra Example 10.8)		

d.	Define simple discrete random variables.	SE: Opportunities to address this standard can be found on the following pages: 556 (Example 1), 557 (Checkpoint #1-4),	
		559 (Guided Practice #3-6, Practice and Applications #13-26), 561 (#48-49), 574 (Quiz 3 #1-4), 578 (#26-28), 579 #13-15), 580 (#2-3), 787 (#10-13)	
		TE: Opportunities to address this standard can be found on the following pages: 557 (Extra Example 1), 561 (Daily Homework Quiz #1), 578 (Extra Example 10.6-10.7a)	

Objec	tive 4.2: Use percentiles and measures of variability to		
analyze data.			
a.	Compute different measures of spread, including the range,	<b>SE:</b> 47 (Example 2), 49 (Guided	
	standard deviation and interquartile range.	Practice #6, Practice and	
		Applications #18-24), 50 (#47-48),	
		51 (#54), 56 (Quiz 3 #6), 60 (#50),	
		63 (#21), 395-400, 404 (#56-62),	
		405 (#27-28), 407 (#11-12, 22-24),	
		533 (Example 1b), 534 (Example	
		2b, Checkpoint #2), 536 (Guided	
		Practice #8, Practice and	
		Applications #10-13), 537 (#18,	
		21, 23-24), 538 (#31, 32a-c),	
		551 (Quiz 2 #2)	
		TE: 47 (Extra Example 2),	
		51 (Daily Homework Quiz #2),	
		52 (Warm-Up Exercises (#1),	
		396 (Extra Examples 1-2),	
		397 (Extra Examples 3-4),	
		404 (Extra Example #7.7),	
		533 (Warm-Up Exercises #4),	
		534 (Extra Examples 1b, 2b),	
		538 (Daily Homework Quiz #1-2)	

b.	Compare the effectiveness of different measures of spread,	SE: Opportunities to address this	
	including the range, standard deviation and interquartile	standard can be found on the	
	range in specific situations.	following pages: 47 (Example 2),	
		49 (Guided Practice #6, Practice	
		and Applications #24), 50 (#47-	
		48), 60 (#50), 63 (#21), 395-400,	
		407 (#22-24), 533 (Example 1b),	
		534 (Example 2b, Checkpoint #2),	
		537 (#18, 21), 538 (#32a-c),	
		551 (Quiz 2 #2), 787 (#5)	
		<b>TE:</b> Opportunities to address this	
		standard can be found on the	
		following pages: 47 (Extra	
		Example 2), 51 (Daily Homework	
		Quiz #2), 52 (Warm-Up Exercises	
		(#1), 396 (Extra Examples 1-2),	
		397 (Extra Example 4), 404 (Extra	
		Example #7.7), 533 (Warm-Up	
		Exercises #4), 534 (Extra	
		Examples 1b, 2b), 538 (Daily	
		Homework Quiz #1-2)	

c.	Use percentiles to summarize the distribution of a numerical variable.	SE: Opportunities to address this standard can be found on the following pages: 52-55, 60 (#49, 52), 61 (#23-24), 778 (#38)
		TE: Opportunities to address this standard can be found on the following pages: 53 (Extra Examples 1-2), 56 (Daily Homework Quiz #1-2)
d.	Use histograms to obtain percentiles.	SE: Opportunities to address this standard can be found on the following pages: 52-55, 60 (#49, 52), 61 (#23-24), 778 (#38)  TE: Opportunities to address this standard can be found on the following pages: 53 (Extra
		following pages: 53 (Extra Examples 1-2), 56 (Daily Homework Quiz #1-2)